

REMARKS

With regard to paragraph 4 of Office Action, the word “type” has been replaced by the word “changer” in claims 16 and 30.

With regard to paragraph 6 of the Office Action, the Examiner alleges that the combination of Nolde with the zero intermediate frequency receivers described as the prior art in the instant application would be obvious to a skilled person. It is clearly laid out in the main claims 16 and 30 of the instant application that applicants’ frequency changer requires the presence of three oscillators, a first oscillator for supplying a first signal in a first frequency band, a second oscillator for producing a second signal in a second frequency band outside the first frequency band, and a reference oscillator, the first oscillator being phase locked to the second oscillator, and the second oscillator being phase locked to the reference oscillator.

By contrast, the receiver described in Nolde comprises only *two* oscillators 7 and 11. The pilot tone of Nolde is used to synchronize the crystal-controlled reference oscillator 11. Standard zero intermediate frequency receivers as described on page 3 of our application also only comprise *two* oscillators, the oscillator 9 and that contained within the synthesizer 11.

The Examiner appears to have suggested that one of the oscillators of the zero intermediate frequency circuit may provide the pilot signal of Nolde, although it is described at col. 1, lines 57 to 61 of Nolde that it is preferable in such receivers that the tuning is synchronized with the pilot signal in order to avoid the use of a stable reference oscillator. In essence, Nolde teaches away from the use of a separate reference oscillator.

Furthermore, Nolde does not disclose how to achieve satisfactory performance with zero intermediate frequency techniques as described in the paragraph bridging pages 4 and 5 of our

application. As far as applicants are aware, in order to suppress injection pulling in such a zero intermediate frequency system, it is necessary to implement the arrangement as defined in the main claims 16 and 30. Since Nolde is not concerned with zero intermediate frequency changers, the skilled person would not be aware of this being a problem.

Although the Examiner has raised similar inventiveness objections to the remainder of the dependent claims, it is submitted that in light of the opinion that the main objection is incorrect, it is not necessary to look at any of the further objections.

Wherefore, a favorable action is earnestly solicited.

Respectfully submitted,

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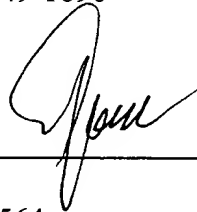
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